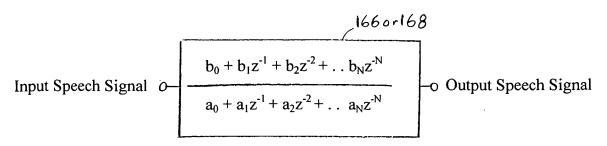
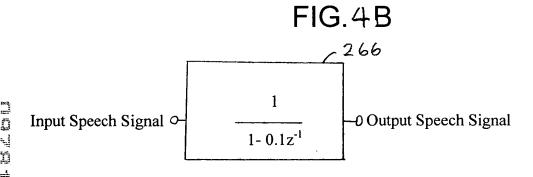
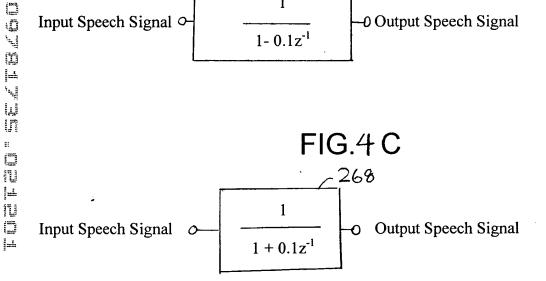


FIG.4A









510 ASSUME THE SPECTRAL RESPONSE OF A SPEECH SIGNAL IS SLOPED IN ACCORDANCE WITH A DEFINED CHARACTERISTIC SLOPE (E.G., AN MIRS SIGNAL RESPONSE). 512 ACCUMULATE SAMPLES (E.G., FRAMES) OF THE SPEECH SIGNAL OVER AT LEAST A MINIMUM SAMPLING DURATION (E.G., 2-4 SECONDS). 514 AVERAGE THE ACCUMULATED SAMPLES ASSOCIATED WITH THE MINIMUM SAMPLING DURATION TO OBTAIN AN AVERAGED REPRESENTATIVE SAMPLE. S16 COMPARE THE AVERAGED REPRESENTATIVE SAMPLE TO REFERENCE DATA IN A REFERENCE ı[] DATABASE OF SPECTRAL CHARACTERISTICS, INCLUDING AT LEAST ONE OF THE DEFINED CHARACTERISTIC SLOPE AND A FLAT SPECTRAL RESPONSE. n 14 518 DOES A SLOPE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL CONFORM TO THE DEFINED CHARACTERISTIC SLOPE AS DETERMINED BY THE COMPARISON? Ш YES NO 520 Ш APPLY A FIRST FILTER TO LESSEN A SLOPE OF THE SPEECH SIGNAL TO APPROACH A FLATTER SPECTRAL **RESPONSE IN PREPARATION FOR** PROSPECTIVE SPEECH CODING. NO IS THE SPECTRAL RESPONSE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL GENERALLY FLAT AS DETERMINED BY THE COMPARISON? 524 APPLY A SECOND FILTER TO INCREASE A SLOPE OF THE SPECTRAL RESPONSE OF THE SPEECH SIGNAL TO APPROACH A MORE SLOPED SPECTRAL RESPONSE THAN THE FLAT SPECTRAL RESPONSE IN PREPARATION FOR PROSPECTIVE SPEECH CODING. 526 ADJUST ONE OR MORE CODING PARAMETERS OR SELECT PREFERENTIAL CODING PARAMETER VALUES (E.G., A FIRST CODING PARAMETER VALUE AND A SECOND CODING PARAMETER VALUE) CONSISTENT WITH APPLICATION OF THE FIRST FILTER OR THE SECOND FILTER.

FIG. 6

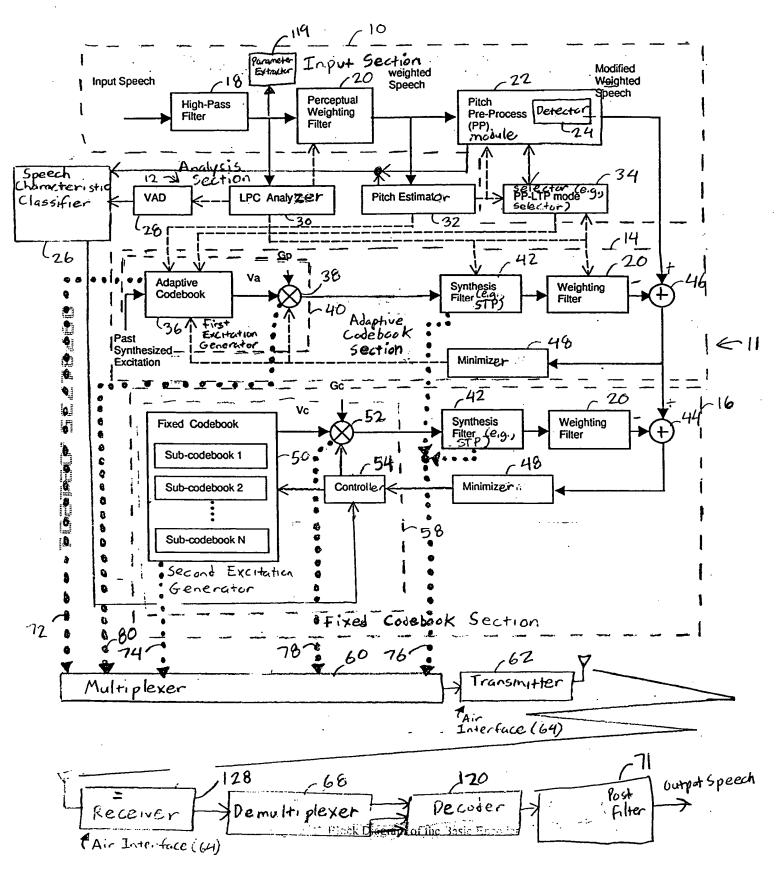


FIG. 7

DECODER 1 1-132 DETECTOR FILTERING SECOND ANALOG

